

ABSTRACT OF THE DISCLOSURE

An abnormal respiration detecting system includes a sensing device for sensing a sphygmographic signal and a control device for determining a respiratory condition. The control device calculates a pulse rate, an amplitude of a pulse wave, a ratio between the pulse rate and the amplitude, and a respiration curve. The sensing device also senses a signal indicative of an oxygen saturation level in blood. The control device detects abnormal respiration based on a variation in the pulse rate and the ratio, a respiration rate, apnea, an apneic period that are calculated from the respiration curve, and the oxygen saturation level. Each abnormal respiration is rated and an overall abnormal respiration is rated. A warning is produced when the overall rating is equal to or higher than a predetermined level.